

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A muffler comprising a casing within which are a gas inlet, a gas chamber and a gas outlet, characterized in that a throttling device is located in a gas flow route and controlled by pressure ~~self-energy~~ of the gas flow, wherein a cross sectional area of the gas flow of the throttling device reduces when ~~energy or~~ pressure of the gas flow increases.

Claim 2 (currently amended): The muffler according to claim 1, wherein the throttling device controlled by pressure ~~self-energy~~ of gas flow is a pressure reducing valves structure.

Claim 3 (previously presented): The muffler according to claim 2, wherein the pressure reducing valves structure includes an adjusting device and a throttling member.

Claim 4 (previously presented): The muffler according to claim 3, wherein the adjusting device comprises a manual adjusting device, a spring, a energy sensor member and a connection lever which are connected in series.

Claim 5 (previously presented): The muffler according to claim 1, wherein the throttling device comprises an open and close member and a fixture.

Claim 6 (previously presented): The muffler according to claim 1, wherein the throttling device comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross

sectional area of its second surface that is opposite to the first surface and exposes to the gas outlet.

Claim 7 (previously presented): The muffler according to claim 4, wherein the throttling member comprises an open and close member and a fixture; and wherein the structure of the open and close member is characterized in that a cross sectional area of its first surface subjecting to gas pressure from the gas inlet is larger than a cross sectional area of its second surface that is opposite to the first surface and exposes to the gas outlet.

Claim 8 (previously presented): The muffler according to claim 4, wherein the energy sensor member is a diaphragm, a piston or a bellows.

Claim 9 (new): The muffler according to claim 7, wherein the connection lever of the adjusting device is connected with the second surface of the open and close member.

Claim 10 (new): The muffler according to claim 9, wherein the energy sensor member is a diaphragm, a piston or a bellows.

Claim 11 (new): The muffler according to claim 10, wherein a spring chamber is connected with the gas chamber; wherein the spring and a part of the manual adjusting device are located within the spring chamber; and wherein the spring chamber comprises a balancing hole communicating with the atmosphere.

Claim 12 (new): The muffler according to claim 7, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.

Claim 13 (new): The muffler according to claim 11, wherein gas flow discharged from the gas outlet is continuous, stable and without pulsation.